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Forest Service

North Central
Forest Experiment
Station

Research Note NC-345
1988

Pulpwood Production[1] in the Lake States by County, 1987

James E. Blyth and W. Brad Smith[2]

ABSTRACT.—Lake States pulpwood production declined slightly to 7.69 million cords in 1987. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin.

Pulpwood production in the Lake States—Michigan, Minnesota, and Wisconsin—fell slightly from 7.71 million cords in 1986 to 7.69 million cords in 1987. Wisconsin produced 2.87 million cords, Michigan produced 2.74 million cords, and Minnesota produced 2.08 million cords.

Ninety-two percent of pulpwood came from roundwood (including chips from roundwood); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood	Hardwood
	(Hundred standard cords, unpeeled)	
Michigan	722	1,570
Minnesota	545	595
Wisconsin	468	2,503

Major species harvested were aspen (3,571,900 cords), pine (891,900 cords), maple (835,400 cords), birch (526,700 cords), and balsam fir (254,900 cords).

Lake States loggers produced 605 thousand cords of whole tree chips (WTC), 8 percent of the total pulpwood output. Michigan was the principal WTC producer with 505 thousand cords, followed by Minnesota with 72 thousand cords, and Wisconsin with 28 thousand cords.

Counties cutting more than 120 thousand cords each were Delta, Menominee, Marquette, and Ontonagon in Michigan; Koochiching, St. Louis, Beltrami, and Itasca in Minnesota; and Forest, Lincoln, Marinette, Oneida, Bayfield, and Sawyer in Wisconsin. These 14 counties contributed 40 percent of the pulpwood produced from roundwood in the Lake States in 1987.

[1] Includes logs, bolts and wood residue used in manufacturing particleboard, waferboard, oriented strand board, and medium density fiberboard.

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Table 1.--Lake States pulpwood production from roundwood by county and species, 1987

(In hundred standard cords, unpeeled)

MICHIGAN

Unit 1/ and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	975	88	32	39	49	2	25	52	103	5	391	189
Chippewa	620	169	48	54	14	2	27	106	26	1	103	70
Delta	2,152	304	188	186	55	9	114	349	286	12	376	273
Luce	395	102	41	35	15	1	11	31	17	1	84	57
Mackinac	538	47	53	47	13	1	16	104	52	3	127	75
Menominee	1,533	76	100	126	30	5	44	424	291	14	255	168
Schoolcraft	897	168	77	84	25	4	64	72	98	3	173	129
Total	7,110	954	539	571	201	24	301	1,138	873	39	1,509	961
W. UPPER PENINSULA												
Baraga	699	38	11	9	19	1	12	44	116	15	352	82
Dickinson	1,180	68	132	155	41	183	51	296	131	8	94	21
Gogebic	750	32	27	5	26	X 2/	X	136	94	29	324	77
Houghton	533	92	35	44	12	2	20	30	64	11	179	44
Iron	1,164	53	89	38	12	3	12	361	196	21	304	75
Keweenaw	29	4	X	X	X	-	-	-	3	1	17	4
Marquette	2,160	271	119	126	71	6	63	309	387	70	505	233
Ontonagon	1,250	21	2	5	6	X	X	622	63	24	381	126
Total	7,765	579	415	382	187	195	158	1,798	1,054	179	2,156	662
N. LOWER PENINSULA												
Alcona	579	43	-	-	-	-	-	413	48	22	29	24
Alpena	221	4	1	2	-	-	-	158	16	3	29	8
Antrim	24	X	-	-	-	-	-	24	X	-	-	-
Arenac	36	X	-	-	-	-	-	12	-	-	23	1
Bay	1	X	-	-	-	-	-	1	-	-	-	-
Benzie	203	3	-	-	-	-	-	154	8	9	21	8
Charlevoix	32	1	-	-	-	-	-	24	2	X	3	2
Cheboygan	482	25	7	6	-	-	-	319	23	X	77	25
Clare	234	6	-	-	-	-	-	196	5	15	11	1
Crawford	835	406	-	X	-	-	-	321	7	79	17	5
Emmet	170	6	4	3	-	-	-	120	-	1	23	13
Gladwin	141	5	-	-	-	-	-	115	6	6	7	2
Grand Traverse	100	49	-	-	-	-	-	43	2	2	2	2
Iosco	106	13	-	X	-	-	-	59	8	5	15	6
Isabella	124	-	-	-	-	-	-	119	X	2	2	1
Kalkaska	280	99	-	-	-	-	-	137	7	7	27	3
Lake	621	36	-	-	-	-	-	357	18	137	64	9
Leelanau	42	2	-	-	-	-	-	21	2	4	8	5
Manistee	365	4	-	-	-	-	-	99	9	165	71	17
Mason	396	4	-	-	-	-	-	290	18	51	24	9
Mecosta	445	2	-	-	-	-	-	364	14	23	33	9
Midland	150	-	-	-	-	-	-	136	5	2	4	3
Missaukee	373	46	-	-	-	-	-	257	7	36	20	7
Montmorency	564	88	1	2	-	-	-	364	24	32	39	14
Newaygo	407	17	-	-	-	-	-	241	5	106	34	4
Oceana	197	-	-	-	-	-	-	101	2	69	21	4
Ogemaw	115	7	-	-	-	-	-	81	8	13	4	2
Osceola	468	9	-	-	-	-	-	391	12	15	34	7
Oscoda	556	236	X	1	-	-	-	219	23	32	33	12
Otsego	371	110	-	-	-	-	-	168	X	6	70	17
Presque Isle	413	25	4	12	-	-	-	255	45	2	51	19
Roscommon	314	112	-	-	-	-	-	173	6	20	2	1
Wexford	406	30	-	-	-	-	-	197	18	57	85	19
Total	9,771	1,388	17	26	-	-	-	5,929	348	921	883	259
S. LOWER PENINSULA												
Allegan	68	-	-	-	-	-	-	7	-	37	10	14
Barry	13	-	-	-	-	-	-	2	-	7	2	2
Berrien	7	-	-	-	-	-	-	1	-	4	1	1
Calhoun	20	-	-	-	-	-	-	2	-	16	2	-
Cass	1	-	-	-	-	-	-	-	-	1	-	-
Gratiot	1	-	-	-	-	-	-	1	-	X	X	-
Huron	8	-	-	-	-	-	-	8	-	-	-	-
Ingham	1	-	-	-	-	-	-	1	-	-	-	-
Ionia	5	-	-	-	-	-	-	2	-	1	1	1
Kalamazoo	30	-	-	-	-	-	-	2	-	17	5	6
Kent	17	1	-	-	-	-	-	2	X	8	4	2
Montcalm	61	-	-	-	-	-	-	31	X	22	6	2
Muskegon	201	-	-	-	-	-	-	19	1	142	33	6
Ottawa	44	-	-	-	-	-	-	13	X	16	8	7
St. Joseph	15	-	-	-	-	-	-	-	-	13	2	-
Sanilac	6	-	-	-	-	-	-	6	-	-	-	-
Van Buren	28	-	-	-	-	-	-	2	-	16	4	6
Total	526	1	-	-	-	-	-	99	1	300	78	47
State total	25,172	2,922	971	979	388	219	459	8,964	2,276	1,439	4,626	1,929

(Table 1 continued on next page)

(Table 1 continued)

MINNESOTA

Unit 1/ and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	399	24	19	88	-	1	-	231	16	-	-	20
Cook	473	65	136	83	-	-	-	189	-	-	-	-
Koochiching	1,820	142	244	114	-	40	-	1,229	9	-	-	42
Lake	1,147	48	119	48	-	-	-	797	77	-	-	58
St. Louis	5,857	361	298	271	-	14	-	4,719	21	-	-	173
Total	9,696	640	816	604	-	55	-	7,165	123	-	-	293
NORTHERN PINE												
Aitkin	661	2	4	6	-	-	-	593	1	-	-	55
Becker	411	4	-	-	-	-	-	405	-	-	-	2
Beltrami	1,521	57	32	150	-	1	-	1,277	-	-	-	4
Cass	1,170	52	14	50	-	-	-	1,049	-	-	-	5
Clearwater	836	15	6	9	-	-	-	804	-	-	-	2
Crow Wing	402	40	1	-	-	-	-	359	-	-	-	2
Hubbard	861	39	1	-	-	-	-	818	-	-	-	3
Itasca	2,854	101	131	289	-	19	-	2,295	2	-	-	17
Lake of the Woods	123	82	6	-	-	8	-	27	-	-	-	-
Mahnomen	171	-	-	-	-	-	-	170	-	-	-	1
Roseau	50	47	1	-	-	2	-	-	-	-	-	-
Wadena	53	8	-	-	-	-	-	45	-	-	-	X
Total	9,113	447	196	504	-	30	-	7,842	3	-	-	91
CENTRAL HARDWOOD												
Kanabec	7	-	-	-	-	-	-	7	-	-	-	-
Mille Lacs	327	1	X	-	-	-	-	326	-	-	-	X
Morrison	44	1	-	-	-	-	-	43	-	-	-	X
Pine	429	4	-	17	-	-	-	381	1	-	-	26
Sherburne	16	16	-	-	-	-	-	-	-	-	-	-
Todd	8	1	-	-	-	-	-	7	-	-	-	X
Total	831	23	X	17	-	-	-	764	1	-	-	26
PRAIRIE												
Polk	6	-	-	-	-	-	-	6	-	-	-	-
Red Lake	4	-	-	-	-	-	-	4	-	-	-	-
Total	10	-	-	-	-	-	-	10	-	-	-	-
State total	19,650	1,110	1,12	1,125	-	85	-	15,781	127	-	-	410

(Table 1 continued on next page)

(Table 1 continued)

WISCONSIN

Unit 1/ and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEAST												
Florence	953	114	51	56	8	1	-	320	164	13	183	43
Forest	1,511	93	60	68	26	1	-	354	254	6	475	174
Langlade	946	69	6	18	4	X	-	320	130	11	305	83
Lincoln	1,494	114	13	35	165	X	-	659	110	27	268	103
Marinette	1,583	265	33	56	4	3	-	633	237	21	236	95
Menominee	548	84	X	1	171	-	-	90	39	5	116	42
Oconto	635	151	1	8	1	1	-	246	88	8	106	25
Oneida	1,275	257	48	52	15	2	-	405	232	17	193	54
Shawano	309	75	-	2	12	-	-	83	27	7	81	22
Vilas	1,184	164	23	22	X	X	-	585	169	18	165	38
Total	10,438	1,386	235	318	406	8	-	3,695	1,450	133	2,128	679
NORTHWEST												
Ashland	864	43	62	32	2	1	-	377	106	8	190	43
Barron	235	6	-	X	-	-	-	189	18	14	4	4
Bayfield	1,818	213	X	7	X	-	-	1,162	280	25	91	40
Burnett	522	138	1	2	-	-	-	360	13	1	6	1
Douglas	1,075	204	4	21	-	-	-	706	111	X	14	15
Iron	490	7	3	4	1	X	-	276	104	5	71	19
Polk	151	X	-	X	-	-	-	149	1	1	X	X
Price	1,029	44	16	25	1	1	-	407	159	13	259	104
Rusk	506	8	1	X	X	1	-	299	62	23	72	40
Sawyer	1,547	30	19	11	7	2	-	860	239	45	242	92
Taylor	655	23	6	17	1	1	-	281	71	5	181	69
Washburn	869	89	X	1	-	1	-	648	54	27	32	17
Total	9,761	805	112	120	12	7	-	5,714	1,218	167	1,162	444
CENTRAL												
Adams	534	466	-	-	-	-	-	12	1	54	1	X
Chippewa	281	21	1	-	1	1	-	148	36	15	44	14
Clark	596	67	1	1	X	X	-	267	60	35	113	52
Eau Claire	235	141	-	X	-	-	-	79	3	6	5	1
Jackson	542	315	X	X	X	X	-	116	15	57	35	4
Juneau	363	291	1	-	-	-	-	3	5	51	9	3
Marathon	900	133	3	4	3	X	-	485	38	13	133	88
Marquette	175	134	X	-	-	X	-	3	4	27	6	1
Monroe	169	145	-	X	-	-	-	8	2	10	3	1
Portage	318	189	4	1	1	X	-	61	6	37	14	5
Waupaca	205	93	X	X	1	1	-	80	3	3	18	6
Waushara	253	231	X	-	X	X	-	13	1	3	4	1
Wood	565	164	1	X	X	-	-	265	15	63	29	28
Total	5,136	2,390	11	6	6	2	-	1,540	189	374	414	204
SOUTHWEST												
Buffalo	15	15	-	-	-	-	-	-	-	-	-	-
Crawford	X	X	-	-	-	-	-	-	-	-	-	-
Dunn	116	91	-	1	-	-	-	12	3	1	8	X
Iowa	4	4	-	-	-	-	-	-	-	-	-	-
La Crosse	36	36	X	-	-	-	-	-	-	-	-	-
Lafayette	X	-	-	-	-	-	-	-	-	-	X	-
Pepin	3	3	-	-	-	-	-	X	-	-	-	-
Pierce	X	X	-	-	-	-	-	X	-	-	-	-
Richland	X	X	-	-	-	-	-	-	-	-	-	-
St. Croix	4	1	-	-	-	-	-	3	-	-	-	-
Sauk	37	37	-	-	-	-	-	-	-	-	-	-
Trempealeau	46	44	1	-	-	-	-	-	X	X	1	X
Total	261	231	1	1	-	-	-	15	3	1	9	X
SOUTHEAST												
Brown	4	1	-	-	-	-	-	3	-	-	-	-
Columbia	68	46	-	-	-	-	-	X	3	13	5	1
Door	X	X	-	-	-	-	-	-	-	-	-	-
Fond du Lac	2	2	-	-	-	-	-	-	-	-	-	-
Green	X	X	-	-	-	-	-	-	-	-	X	-
Green Lake	3	3	-	-	-	-	-	-	-	-	X	-
Jefferson	8	8	X	-	-	-	-	-	-	-	-	-
Kewaunee	2	2	-	-	-	-	-	-	-	-	-	-
Manitowoc	11	1	X	-	-	-	-	-	1	-	7	2
Outagamie	14	4	X	-	-	-	-	7	X	X	2	1
Ozaukee	1	1	-	-	-	-	-	-	-	-	-	-
Sheboygan	2	1	-	-	-	-	-	-	X	-	1	X
Walworth	3	3	-	-	-	-	-	-	-	-	-	-
Washington	X	X	-	-	-	-	-	-	-	-	-	-
Waukesha	3	3	-	-	-	-	-	-	-	-	-	-
Total	121	75	X	-	-	-	-	10	4	13	15	4
State total	25,717	4,887	359	445	424	17	-	10,974	2,864	688	3,728	1,331

1/ Includes only those counties that supplied pulpwood in 1987.

2/ X indicates less than 50 cords.

Motto: Discovering and disseminating knowledge about natural resources.